

**EAST Search History****EAST Search History (Prior Art)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	11201	((428/690,917) or (313/504,506) or (257/E51.041,E51.043, E51.044)).CCLS.	US- PG PUB; USPAT	OR	OFF	2010/07/28 09:05
L2	4014	(428/212).CCLS.	US- PG PUB; USPAT	OR	OFF	2010/07/28 09:05
L3	1859	super adj lattice	US- PG PUB; USPAT	OR	ON	2010/07/28 09:05
L4	10	1 and 3	US- PG PUB; USPAT	OR	ON	2010/07/28 09:05
L5	565	2 and (electrolumines\$5 or lumines\$5 or (light with (emit\$5 or emiss\$5)))	US- PG PUB; USPAT	OR	ON	2010/07/28 09:06
L6	4422	(band adj gap) same alternat\$	US- PG PUB; USPAT	OR	ON	2010/07/28 09:06
L7	3	5 and 6	US- PG PUB; USPAT	OR	ON	2010/07/28 09:06
L8	1259	(band adj gap) same (alternate or alternated or alternating)	US- PG PUB; USPAT	OR	ON	2010/07/28 09:06
L9	4	2 and 8	US- PG PUB; USPAT	OR	ON	2010/07/28 09:06
L10	25	1 and 8	US- PG PUB; USPAT	OR	ON	2010/07/28 09:07
L11	48567	(lumines\$5 or (light with (emit\$5 or emiss\$5))) same (stack\$3 or multi or multilayer \$3)	US- PG PUB; USPAT	OR	ON	2010/07/28 09:07

L12	2253	(chelat\$5 or complex\$5 or coordinat\$5 or organometal\$5 or ligand) same 11	US- PGPUB; USPAT	OR	ON	2010/07/28 09:07
L13	468	1 and 12	US- PGPUB; USPAT	OR	ON	2010/07/28 09:07
L14	19881	(chelat\$5 or complex\$5 or coordinat\$5 or organometal\$5 or ligand) same ((rare adj earth) or lanthanide or lanthanoid)	US- PGPUB; USPAT	OR	ON	2010/07/28 09:08
L15	115	13 and 14	US- PGPUB; USPAT	OR	ON	2010/07/28 09:08
L16	51	5 and 14	US- PGPUB; USPAT	OR	ON	2010/07/28 09:08
L17	49	16 not 15	US- PGPUB; USPAT	OR	ON	2010/07/28 09:08
L18	15	3 and 14	US- PGPUB; USPAT	OR	ON	2010/07/28 09:09
L19	34	8 and 14	US- PGPUB; USPAT	OR	ON	2010/07/28 09:09
L20	34	19 not (15 or 16 or 18)	US- PGPUB; USPAT	OR	ON	2010/07/28 09:10
L21	21824	quantum adj well	US- PGPUB; USPAT	OR	ON	2010/07/28 09:10
L22	172	14 and 21	US- PGPUB; USPAT	OR	ON	2010/07/28 09:10
L23	153	22 not (15 or 16 or 18 or 19)	US- PGPUB; USPAT	OR	ON	2010/07/28 09:11
L24	193	12 and 21	US- PGPUB; USPAT	OR	ON	2010/07/28 09:11
L25	188	24 not (15 or 16 or 18 or 19 or 22)	US- PGPUB; USPAT	OR	ON	2010/07/28 09:11

L26	13	5 and 21	US-PGPUB; USPAT	OR	ON	2010/07/28 09:12
L27	104	1 and 21	US-PGPUB; USPAT	OR	ON	2010/07/28 09:12
L28	81	27 not (15 or 16 or 18 or 19 or 22 or 24 or 26)	US-PGPUB; USPAT	OR	ON	2010/07/28 09:13
L29	344	13 not (15 or 16 or 18 or 19 or 22 or 24 or 26 or 27)	US-PGPUB; USPAT	OR	ON	2010/07/28 09:14
L30	6790	1 and (chelat\$5 or complex\$5 or coordinat\$5 or organometal\$5 or ligand)	US-PGPUB; USPAT	OR	ON	2010/07/28 09:14
L31	1917	30 and (eu or europium or tb or terbium or dy or dysprosium or gd or gadolinium)	US-PGPUB; USPAT	OR	ON	2010/07/28 09:14
L32	1730	31 not (13 or 16 or 18 or 19 or 22 or 24 or 26 or 27)	US-PGPUB; USPAT	OR	ON	2010/07/28 09:15
L33	364	32 and (band adj gap)	US-PGPUB; USPAT	OR	ON	2010/07/28 09:15
L34	469	32 and (homo or (highest adj occupied))	US-PGPUB; USPAT	OR	ON	2010/07/28 09:16
L35	3	32 and lomo	US-PGPUB; USPAT	OR	ON	2010/07/28 09:16
L36	2	32 and (lowest adj occupied)	US-PGPUB; USPAT	OR	ON	2010/07/28 09:16
L37	393	32 and lumo	US-PGPUB; USPAT	OR	ON	2010/07/28 09:16
L38	427	32 and (lumo or (lowest adj unoccupied))	US-PGPUB; USPAT	OR	ON	2010/07/28 09:16
L39	401	34 and 38	US-PGPUB; USPAT	OR	ON	2010/07/28 09:16

L40	0	39 and (eu same (tmhd or dbm) same opnp)	US-PGPUB; USPAT	OR	ON	2010/07/28 09:17
L41	0	39 and (gd same dbm same phen)	US-PGPUB; USPAT	OR	ON	2010/07/28 09:17
L42	0	(34 or 38) and (eu same (tmhd or dbm) same opnp)	US-PGPUB; USPAT	OR	ON	2010/07/28 09:17
L43	1	(34 or 38) and (gd same dbm same phen)	US-PGPUB; USPAT	OR	ON	2010/07/28 09:18
L44	1	gd same dbm same phen	US-PGPUB; USPAT	OR	ON	2010/07/28 09:18
L45	1	eu same (tmhd or dbm) same opnp	US-PGPUB; USPAT	OR	ON	2010/07/28 09:18
L46	62	phen with phenanthrene	US-PGPUB; USPAT	OR	ON	2010/07/28 09:19
L47	848	phen with phenanthroline	US-PGPUB; USPAT	OR	ON	2010/07/28 09:19
L48	13	phen near5 phenanthrene	US-PGPUB; USPAT	OR	ON	2010/07/28 09:19
L49	635	phen near5 phenanthroline	US-PGPUB; USPAT	OR	ON	2010/07/28 09:19
L50	20	31 and 49	US-PGPUB; USPAT	OR	ON	2010/07/28 09:19
L51	5	46 and (gd or gadolinium)	US-PGPUB; USPAT	OR	ON	2010/07/28 09:20
L52	55	47 and (gd or gadolinium)	US-PGPUB; USPAT	OR	ON	2010/07/28 09:20

## EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp

L53	1412	((chelat\$5 or complex\$5 or coordinat\$5 or organometal\$5 or ligand) same (ultraviolet or (ultra adj violet) or uv)).clm.	US-PGPUB; USPAT; UPAD	OR	ON	2010/07/28 09:29
L54	12365	(bandgap or (band adj gap)).clm.	US-PGPUB; USPAT; UPAD	OR	ON	2010/07/28 09:29
L55	4508	(homo or (highest adj occupied)).clm.	US-PGPUB; USPAT; UPAD	OR	ON	2010/07/28 09:30
L56	485	(lumo or (lowest adj unoccupied)).clm.	US-PGPUB; USPAT; UPAD	OR	ON	2010/07/28 09:30
L57	434838	(electrode or anode or cathode).clm.	US-PGPUB; USPAT; UPAD	OR	ON	2010/07/28 09:30
L58	0	53 and 54 and 55 and 56 and 57	US-PGPUB; USPAT; UPAD	OR	ON	2010/07/28 09:31
L59	71	53 and 57	US-PGPUB; USPAT; UPAD	OR	ON	2010/07/28 09:31
L60	3	59 and (54 or 55 or 56)	US-PGPUB; USPAT; UPAD	OR	ON	2010/07/28 09:31
L61	68	59 not 60	US-PGPUB; USPAT; UPAD	OR	ON	2010/07/28 09:31
L62	11	53 and (54 or 55 or 56)	US-PGPUB; USPAT; UPAD	OR	ON	2010/07/28 09:32
L63	8	62 not 59	US-PGPUB; USPAT; UPAD	OR	ON	2010/07/28 09:32
L64	5298	((chelat\$5 or complex\$5 or coordinat\$5 or organometal\$5 or ligand) and (ultraviolet or (ultra adj violet) or uv)).clm.	US-PGPUB; USPAT; UPAD	OR	ON	2010/07/28 09:33

L65	1	64 and 54 and 55 and 56 and 57	US-PGPUB; USPAT; UPAD	OR	ON	2010/07/28 09:33
L66	419	64 and 57	US-PGPUB; USPAT; UPAD	OR	ON	2010/07/28 09:33
L67	14	66 and (54 or 55 or 56)	US-PGPUB; USPAT; UPAD	OR	ON	2010/07/28 09:33
L68	10	67 not (59 or 62 or 65)	US-PGPUB; USPAT; UPAD	OR	ON	2010/07/28 09:34
L69	62	64 and (54 or 55 or 56)	US-PGPUB; USPAT; UPAD	OR	ON	2010/07/28 09:35
L70	40	69 not (59 or 62 or 65 or 67)	US-PGPUB; USPAT; UPAD	OR	ON	2010/07/28 09:35
L71	337	66 not (59 or 62 or 65 or 67 or 69)	US-PGPUB; USPAT; UPAD	OR	ON	2010/07/28 09:36
L72	78	((chelat\$5 or complex\$5 or coordinat\$5 or organometal\$5 or ligand) same (bandgap or (band adj gap))).clm.	US-PGPUB; USPAT; UPAD	OR	ON	2010/07/28 09:38
L73	42	72 and (ultraviolet or (ultra adj violet) or uv)	US-PGPUB; USPAT; UPAD	OR	ON	2010/07/28 09:39
L74	36	73 not (59 or 62 or 65 or 66 or 69)	US-PGPUB; USPAT; UPAD	OR	ON	2010/07/28 09:40
L75	36	72 not (59 or 62 or 65 or 66 or 69 or 73)	US-PGPUB; USPAT; UPAD	OR	ON	2010/07/28 09:40

7/28/2010 9:41:07 AM

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